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MEMORANDUM

February 4, 1991

TO: Robert Swale
Mail Code SHS-11
U.S. EPA, Region V
230 South Dearborn
Chicago, Illinois 60604

FROM: Peter J. Vagt
[215/964-0808]

RE: Groundwater Sampling Parameters
Phase I (round 2) and Phase II (round 1)
Woodstock Landfill Site

I have put together a list of the groundwater sampling which we will be conducting for the rest of the week at Woodstock.

The parameters are the same as were listed for the Phase II Scope of Work, dated January 15. Plus, I have added indicator parameters, including Alkalinity, Chloride, Sulfate, and TDS.

The GAPP also lists the following as indicator parameters:

Nitrate+Nitrite+Nitrogen
Nitrogen (ammonia)
Nitrogen, Total Kjeldahl
Phosphorus general, the follow the

We didn't include any indicator parameters in the Phase II SOW because they weren't critical to the Site conditions. However, it seems appropriate to analyze at least for the four listed above, since they are useful in evaluating groundwater interactions, and possible inter actions with surface water.

We'll be sampling tomorrow, so let me know if you have a problem with excluding the nitrogen series and phosphorus.

Thanks



Pete Vagt

251/964-0808

Sampling List: February 4-8, 1991
Woodstock Landfill Site

MEDIA	TCL VOCs	Semi- VOA	TAL Metals	Indicator (1) Parameters
Phase II BOTTLE BLANK	1	1	1	

LEACHATE, Round 2, Phase I

Collect triple volume of first sample for VOCs and Semi-VOAs
The extra amount is for MS/MSD

LW-1	3	3	3	
LW-2	1	1	1	1
LW-2 - duplicate	1	1	1	1
LW-3	1		1	1
LW-4	1		1	1
LW-5	1		1	1
FB	1			
TB	2	?		
1 VOC sample per VOC cooler				

GROUNDWATER - Phase I, Round 2

Collect triple volume of first sample for VOCs and Semi-VOAs
The extra amount is for MS/MSD

MW-1s	3		3	3
MW-1d	1		1	1
MW-2s	1		1	1
MW-2d	1		1	1
MW-3s	1		1	1
MW-3d	1		1	1
MW-4s	1		1	1
MW-4d	1		1	1
MW-4d - duplicate	1		1	1
MW-5s	1		1	1
MW-5d	1		1	1
MW-8s	1		1	1
MW-8d	1		1	1
FB	1		1	1

GROUNDWATER - Round 1, Phase II

MW-7	1		1	1
MW-8	1		1	1
MW-9	1		1	1
MW-9 - duplicate	1		1	1
MW-10	1		1	1
FB	1		1	
TB	4	?		
1 for every VOC shipment cooler				

TOTALS:	=====	=====	=====	=====
	36	6	31	26

NOTE:

- Phase II indicator parameters will be: Alkalinity, Chloride, Sulfate, and TDS